DEC - 7 2004

Summary of Safety and Effectiveness Liquichek Spacialty Immunoassay Control

1.0 **Submitter**

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Contact Person

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Date of Summary Preparation

November 2, 2004

2.0 **Device Identification**

Product Trade Name:

Liquichek Specialty Immunoassay Control

Common Name:

Multi-analyte controls, (assayed and unassayed)

Classifications:

Class I

Product Code:

JJY

Regulation Number:

21 CFR 862.1660

3.0 **Device to Which Substantial Equivalence is Claimed**

Lyphochek Immunoassay Plus Control **Bio-Rad Laboratories** Irvine, California

510 (k) Number:

K981532

4.0 **Description of Device**

Liquichek Specialty Immunoassay Control is prepared from human serum with added constituents of human and animal origin, chemicals, stabilizers, and preservatives. This product is provided in liquid form.

5.0 Intended Use

Liquichek Specialty Immunoassay Control is intended for use as a quality control serum to monitor the precision of laboratory testing procedures for analyte listed in the package insert.

6.0 Comparison of the new device with the Predicate Device

Liquichek Specialty Immunoassay Control claims substantial equivalence to the Lyphochek Immunoassay Plus Control currently in commercial distribution (K981532). Both products are serum based products that contain muliple analytes used to monitor precision of laboratory testing procedures.

Characteristics	Bio-Rad Laboratories Bio-Rad Liquichek Specialty Immunoassay Control (New Device)	Bio-Rad Laboratories Lyphochek Immunoassay PlusControl (Predicate Device K981532)
	Similarities	
Intended Use	Liquichek Specialty Immunoassay Control is intended for use as quality control serum to monitor the precision of laboratory testing procedures listed in the package insert.	Lyphochek Immunoassay Plus Control is intended for use a quality control serum to monitor the precision of laboratory testing procedures listed in the package insert
Stabilizers	Contains Stabilizers	Contains Stabilizers
Matrix	Human Serum	Human Serum
	Differences	
Form	Liquid	Lyophilized
Preservatives	Contains Preservatives	None
Storage	-20 to -70°C	2 to 8°C
(Unopened)	Until expiration date	Until expiration date
Open Vial	30 days at 2-8°C with the following exceptions: Anti-Tg and Anti-TPO will be stable for 21 days	7 days at 2 to 8 °C with the following exceptions: (1) Folate and PSA will be stable for 3 days after reconstitution, (2) C-Peptide will be stable for 1 day, (3) Intact PTH will be stable for 16 hours after reconstitution, and (4) ACTH, Calcitonin, Gastrin and Free PSA should be assayed immediately after reconstitution.
Alternate storage	None	After reconstituting and freezing: all analytes will be stable for 20 at -10 to -20°C with the following exceptions: no frozen stability claim is supplied for ACTH, Aldosterone, Androstenedione Calcitonin and C-Peptide.
Analytes	Contains only the following analytes: Anti-Tg Anti-TPO C-peptide Erythropoietin (EPO) Intact PTH (iPTH) IGF-I Osteocalcin 25-OH Vitamin D	Contains the following analytes: Multi anlyte including:

7.0 Statement of Supporting Data

Stability studies have been performed to determine the open vial stability and shelf life for the Liquichek Specialty Immunoassay Control. Product claims are as follows:

7.1 Open vial

30 days at 2°C to 8°C with the following exceptions: Anti-

Tg and Anti-TPO will be stable for 21 days

7.2 Shelf Life Stability 2 Years at -20 to -70°C

All supporting data is retained on file at Bio-Rad Laboratories.



Food and Drug Administration 2098 Gaither Road Rockville MD 20850

DEC - 7 2004

Ms. Suzanne S. Parsons Regulatory Affairs Specialist Bio-Rad Laboratories, Inc. 9500 Jeronimo Rd. Irvine, CA 92618-2017

Re: k043108

Trade/Device Name: Liquichek Specialty Immunoassay Control

Regulation Number: 21 CFR 862.1660

Regulation Name: Quality Control Material (Assayed and Unassayed)

Regulatory Class: Class I

Product Code: JJY

Dated: November 4, 2004 Received: November 9, 2004

Dear Ms Parsons:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the <u>Federal Register</u>.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to legally

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marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (240) 276-3084. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address

http://www.fda.gov/cdrh/dsma/dsmamain.html

Sincerely yours,

Robert L. Becker, Jr., M.B., PhD

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Director

Division of Immunology and Hematology Devices Office of In Vitro Diagnostic Device Evaluation and Safety Center for Devices and Radiological Health

Enclosure

Indications for Use

510(k) Number (if known):	K043108	
Device Name:	Liquichek Specialty Immunoa	ssay Control
Indications For Use:		assay Control is intended for use as a nitor the precision of laboratory testing tage insert.
Prescription Use X (Part 21 CFR 801 Subpart D) (PLEASE DO NOT WRITNEEDED)	AND/OR TE BELOW THIS LINE-CO	Over-The-Counter Use (21 CFR 807 Subpart C) ONTINUE ON ANOTHER PAGE IF
Concurrence of	CDRH, Office of In Vitro D	iagnostic Devices (OIVD)
Divisi Offic Evalu	nava Clanion Sign-Off te of In Vitro Diagnostic Duation and Safety k) KO43/08	Page 1 of Device